



State of Utah—Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION
AND MANAGEMENT

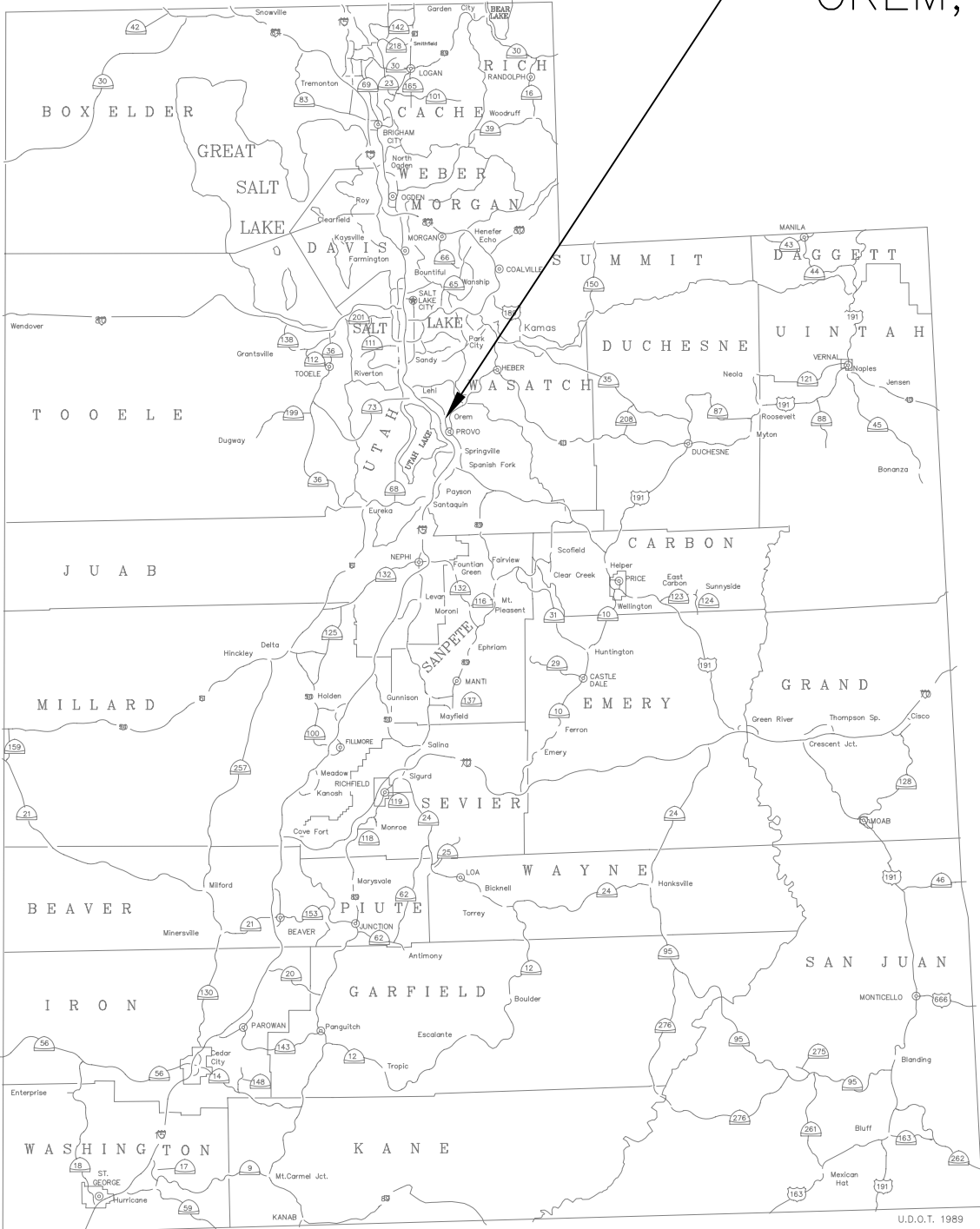
4110 State Office Building/Salt Lake City, Utah 84114/538-3018

STATE OF UTAH
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

UTAH VALLEY STATE COLLEGE
LOT V PHASE II
PARKING LOT EXPANSION
PROJECT NO. 06227790

PROJECT NOTES

1. ANY KNOWN SEWER MAINS, WATER MAINS, GAS MAINS, STORM DRAINS, IRRIGATION LINES, TELEPHONE CONDUITS, ELECTRIC CABLES, AND OTHER UNDERGROUND STRUCTURES ARE SHOWN ON THE DRAWINGS ONLY TO THE EXTENT SUCH INFORMATION HAS BEEN MADE AVAILABLE TO OR DISCOVERED BY THE ENGINEER. IT IS EXPECTED THAT THERE MAY BE DISCREPANCIES AND OMISSIONS IN THE LOCATION AND QUANTITIES OF UTILITIES AND STRUCTURES SHOWN. THIS INFORMATION IS SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR BUT IS NOT GUARANTEED TO BE EITHER CORRECT OR COMPLETE, AND ALL RESPONSIBILITY FOR THE ACCURACY AND COMPLETENESS THEREOF IS EXPRESSLY DISCLAIMED. THE CONTRACTOR SHALL MAKE SUCH INVESTIGATION AS HE THINKS NECESSARY TO VERIFY ITS CORRECTNESS AND COMPLETENESS. THE CONTRACTOR SHALL, AHEAD OF EXCAVATOR, LOCATE UNDERGROUND UTILITIES AND STRUCTURES, SO THAT THEY WILL NOT BE ACCIDENTALLY CUT OR DAMAGED BY HIS CONSTRUCTION OPERATION, AND SO THAT THE GRADE OF THE PIPE CAN BE ADJUSTED AS REQUIRED.
2. CONTRACTOR SHALL CONTACT BLUE STAKE LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION IS COMMENCED.
3. SEWER, GAS AND OTHER SERVICES TO INDIVIDUAL STRUCTURES, THOUGH NOT SHOWN FOR CLARITY, DO EXIST AND SHALL BE AVOIDED AT NO ADDITIONAL COST TO THE OWNER
4. OTHER UTILITY SERVICES SHALL BE RELOCATED AS NECESSARY AT NO COST TO THE OWNER
5. CONTRACTOR SHALL PROVIDE NECESSARY FIELD ENGINEERING AND CONSTRUCTION STAKING
6. THE SUCCESSFUL PERFORMANCE OF FIELD DENSITY TESTS SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO MEET THE SPECIFIED DENSITY REQUIREMENTS FOR THE COMPLETE PROJECT. THE CONTRACTOR SHALL MAKE SUCH ADDITIONAL TESTS, AT HIS EXPENSE, AS MAY BE REQUIRED TO INSURE THAT THE WORK OF COMPACTION IS PERFORMED PROPERLY.
7. ALL RESTORATION OF SURFACE IMPROVEMENTS SHALL BE IN ACCORDANCE WITH UVSC STANDARDS
8. ACCESS TO THE CONSTRUCTION SITE SHALL BE FROM 800 SOUTH STREET. CONTRACTOR SHALL KEEP 800 SOUTH STREET CLEAN AND SWEEP.
9. CONTRACTOR TO NOTIFY UVSC AND DFCM STAFF 48 HOURS PRIOR TO EXCAVATING.
10. CONTRACTOR TO SET MANHOLE RINGS AND LIDS, VALVE BOXES, ETC. AS REQUIRED SO THAT TOPS ARE FLUSH WITH, OR A MAXIMUM OF 1/4" BELOW, THE NEW FINISH GRADE.
11. CONTRACTOR SHALL PROVIDE AN ON-SITE TOILET FOR THE DURATION OF THE PROJECT.
12. CONTRACTOR SHALL PROVIDE A WATER TRUCK AND DUST CONTROL FOR THE DURATION OF THE PROJECT AS PART OF HIS BID.



VICINITY MAP

UTAH VALLEY STATE COLLEGE
1200 W. 800 S.
OREM, UTAH



INDEX TO SHEETS

SHEET	NAME
G-001	TITLE
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C-104	SIGNING AND STRIPING PLAN
C-501	CIVIL DETAILS
L-101	IRRIGATION
L-102	LANDSCAPING
EL-101	LANDSCAPING DETAILS
E-001	POWER SINGLE LINE DIAGRAM & PANELS
E-101	ELECTRICAL LAYOUT

CONSTRUCTION SET

King
Engineering,
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Salt Lake City, Utah 84121
Phone: 801.990.3170
Fax: 801.990.3293
Internet: www.pavementmanagement.com

CREATED BY: KING ENGINEERING, INC.

UVSC PARKING LOT V
PHASE II

SITE/LOCATION:

UTAH VALLEY
STATE COLLEGE
800 S. 1200 W.
OREM, UTAH

PROJECT TITLE:

PARKING LOT V
PHASE II

MARK DATE DESCRIPTION

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: MAY 26, 2006

DFCM PROJECT NO: 06227790

CAD PROJECT NO: 02-XXXX

CAD DWG FILE: G-001.DWG

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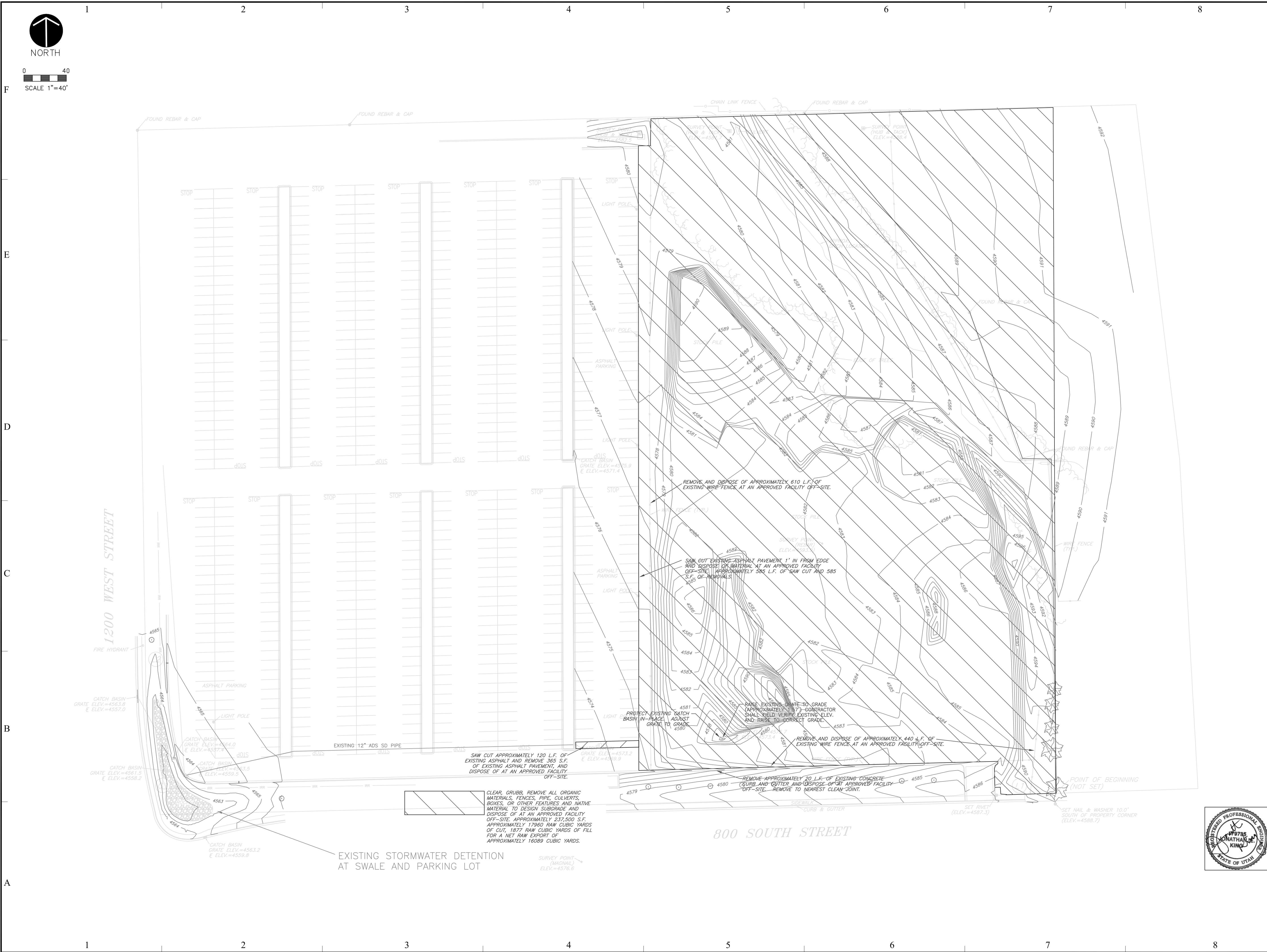
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TITLE SHEET

SHEET NUMBER

G-001

SHEET 1 OF 11



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ISSUE DATE: MAY 26, 2006

DCM PROJECT NO: 06227790

CAD PROJECT NO: 02-XXX

CAD DWG FILE: C-101.DWG

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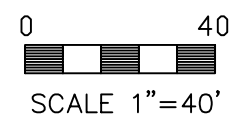
SHEET TITLE

DEMOLITION AND
SITE PREPARATION

SHEET NUMBER

C-101

SHEET 2 OF 11



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PHASE II

MARK	DATE	DESCRIPTION
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ISSUE DATE: MAY 26, 2000

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CAD PROJECT NO: 02-XXX

CAD DWG FILE: C-102.DWG

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LAYOUT AND

LAYOUT AND GRADING

GRADING

SHEET NUMBER

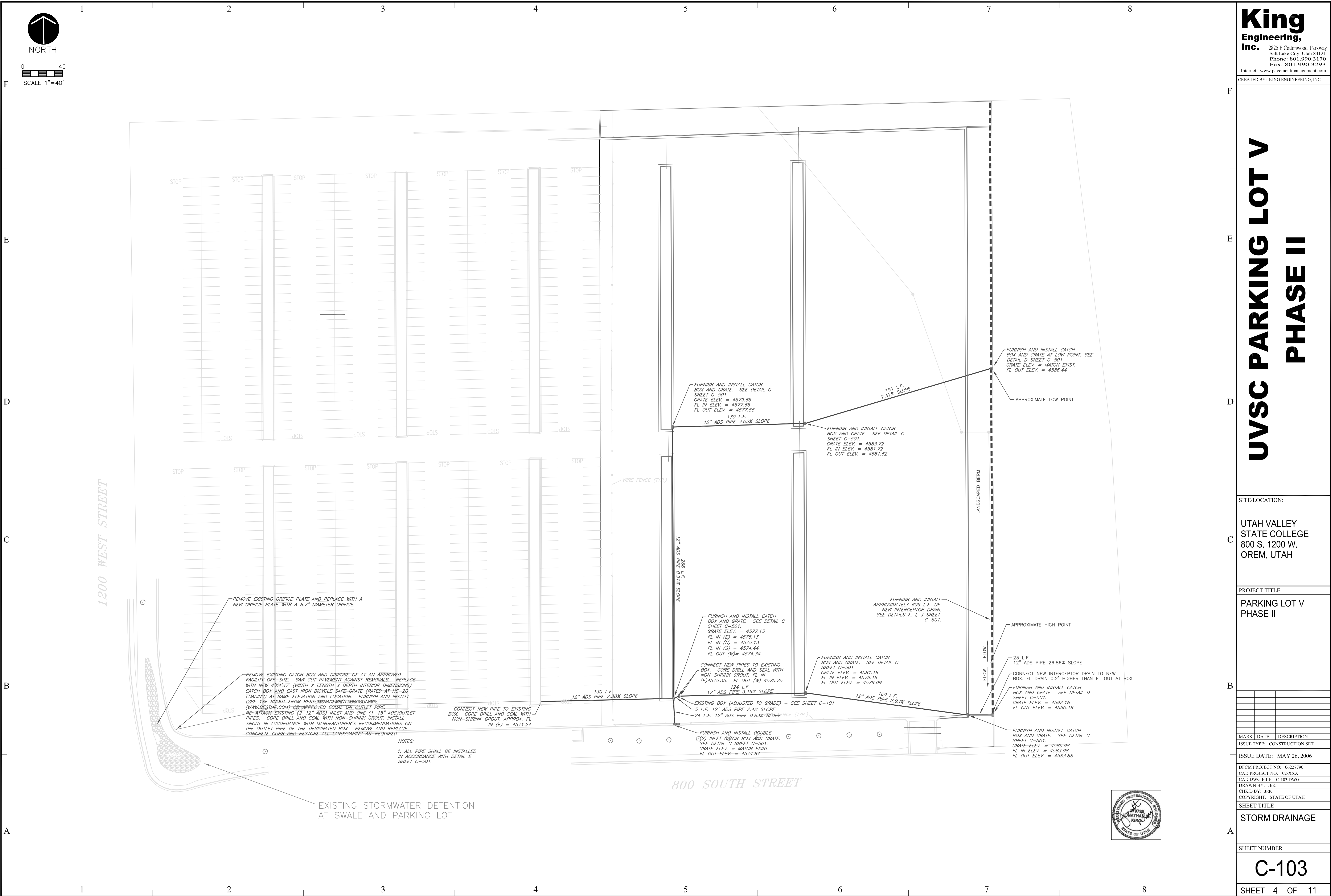
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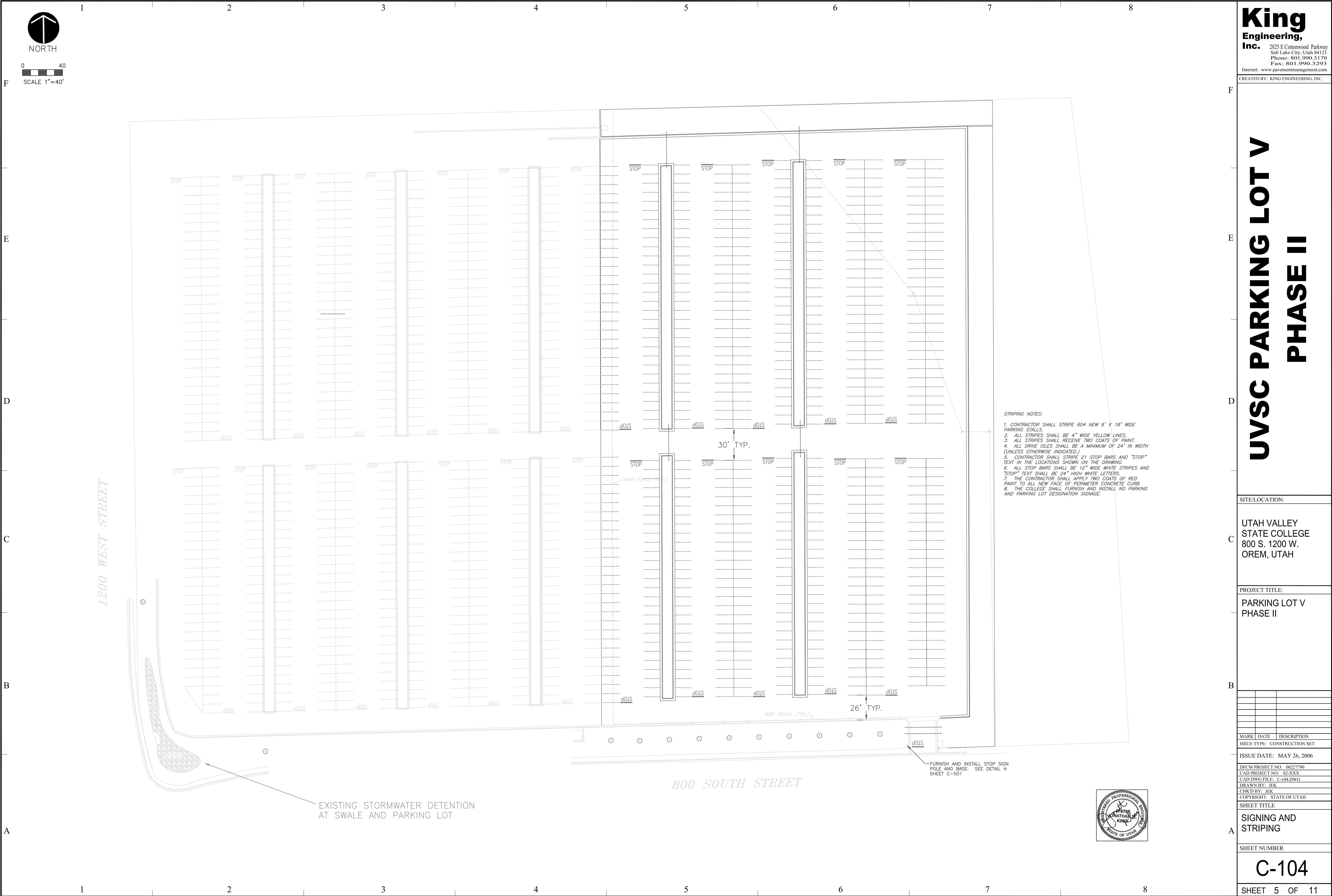
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ISSUE DATE: MAY 26, 2006		
DCFM PROJECT NO: 06227790		
CAD PROJECT NO: 02-XXXX		
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**SIGNING AND
STRIPING**

SHEET NUMBER

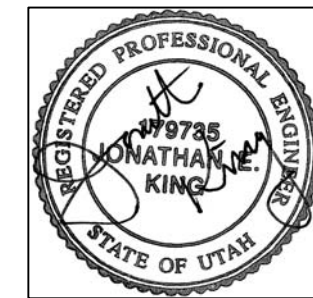
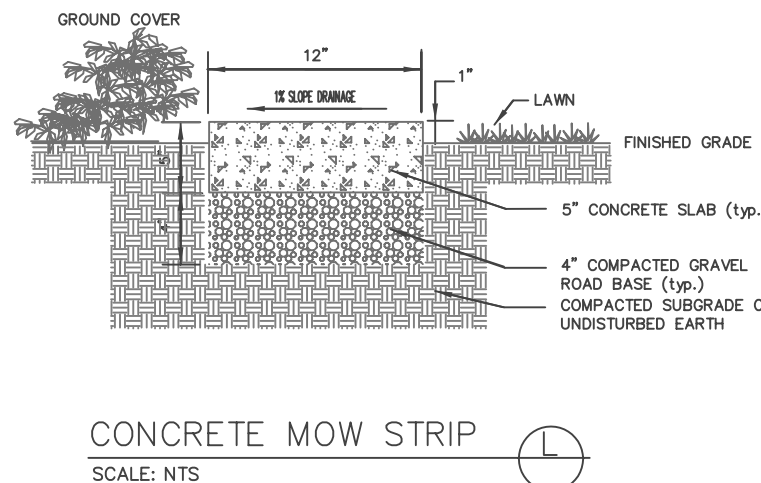
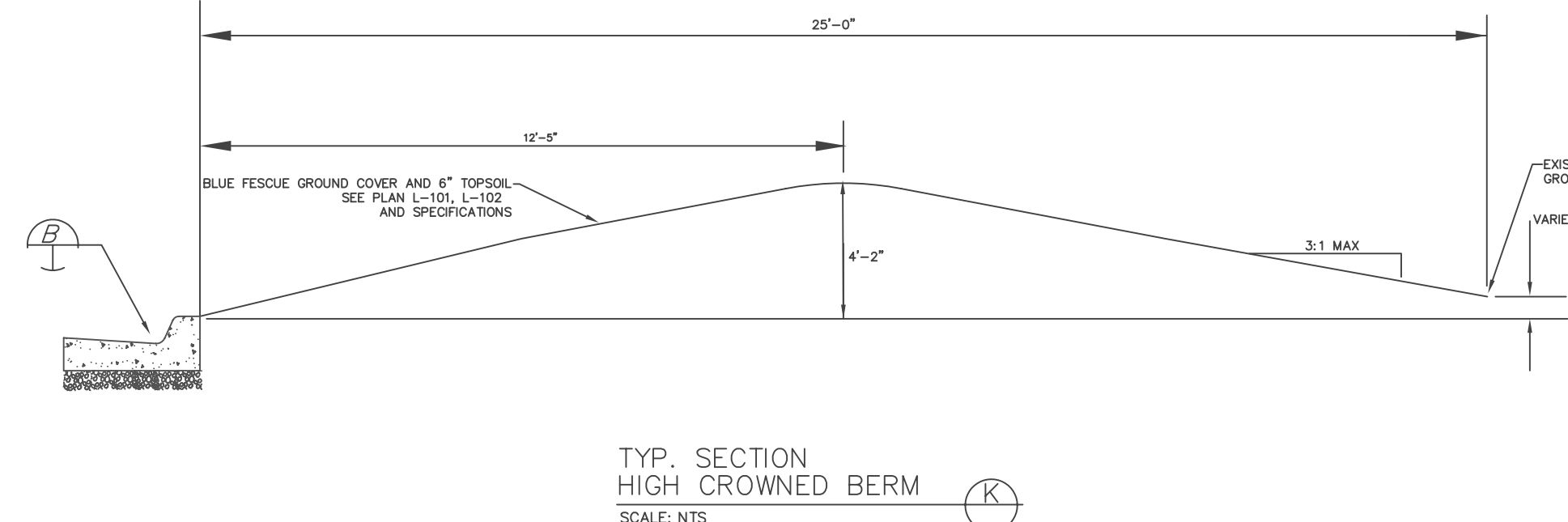
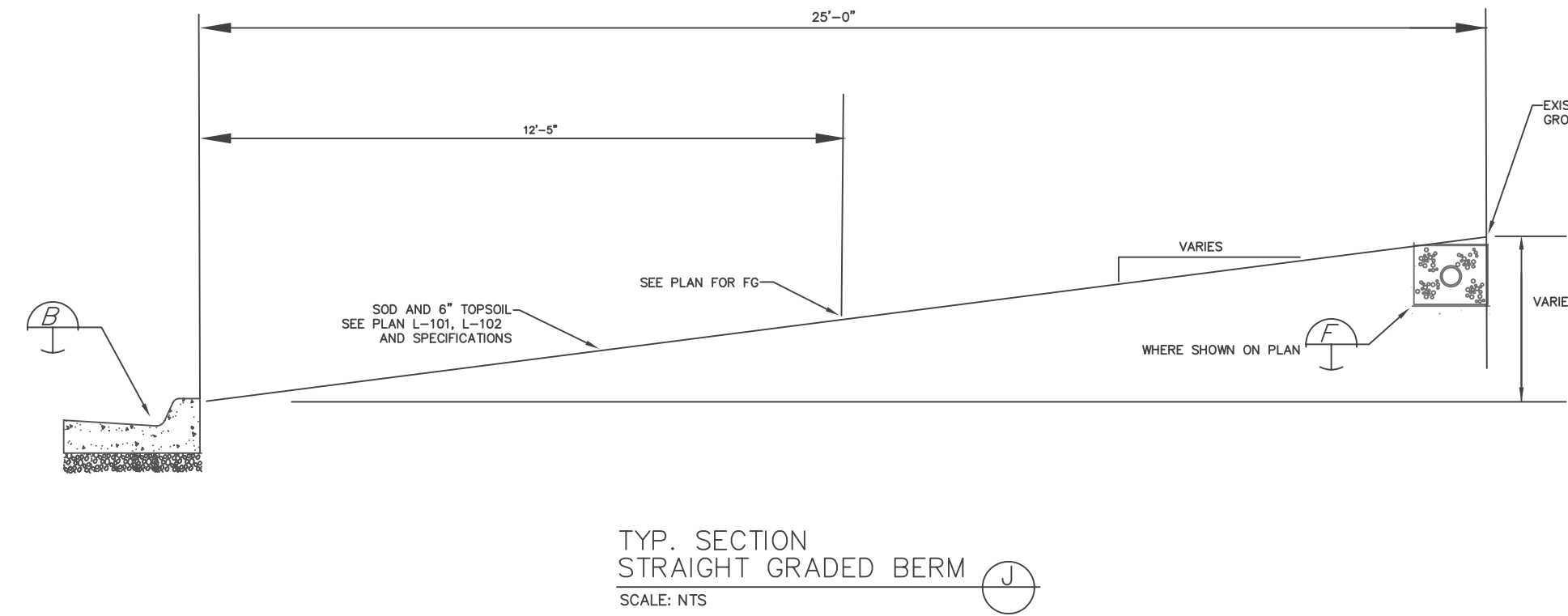
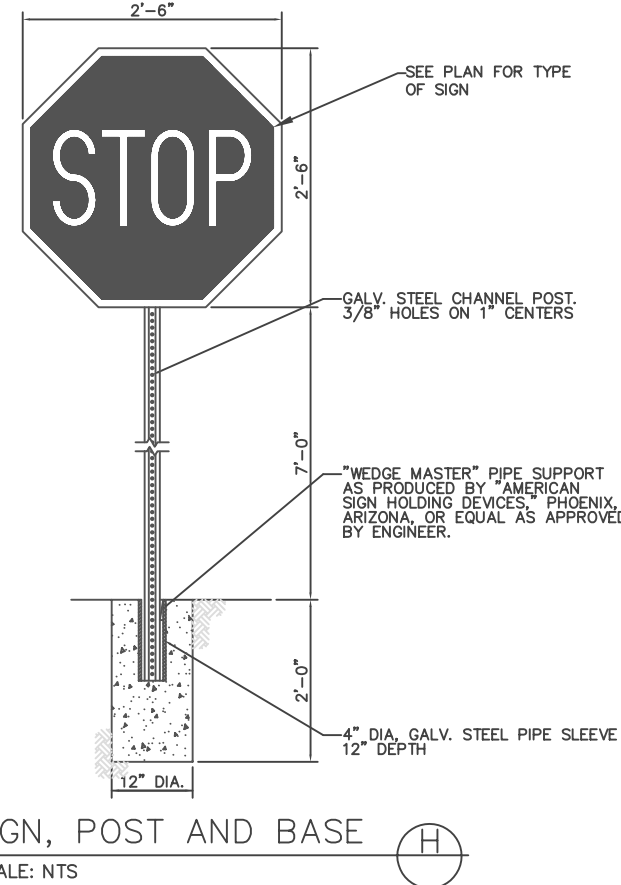
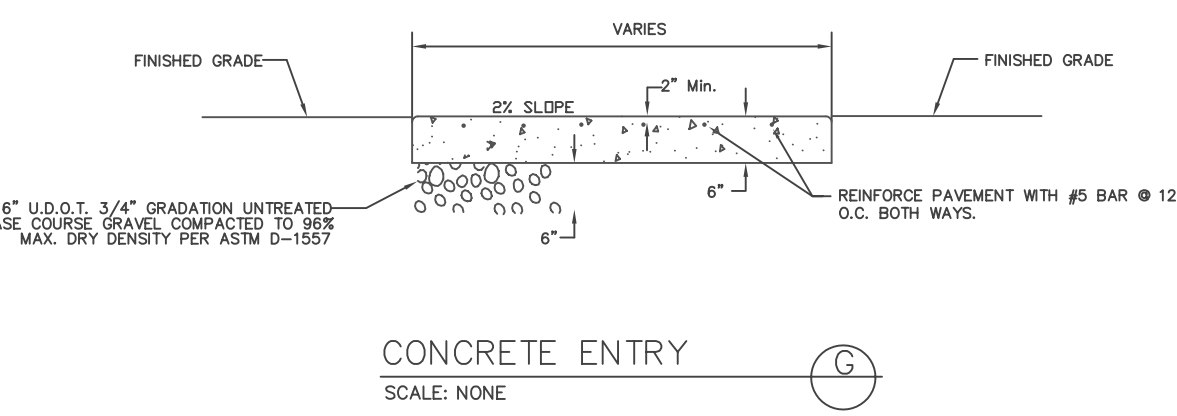
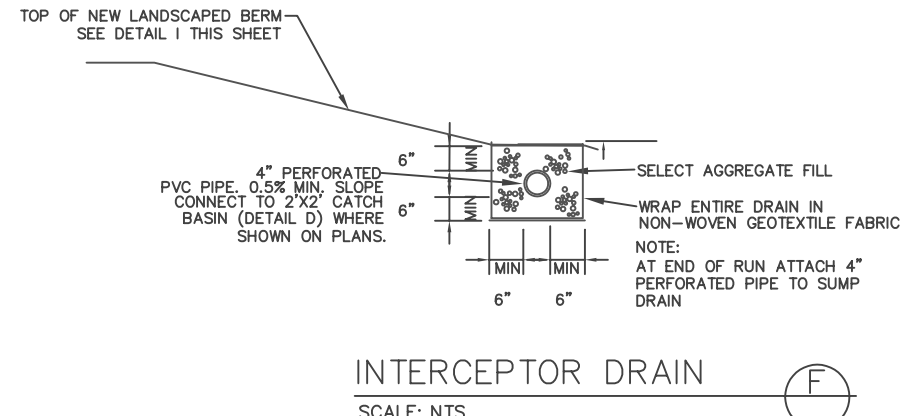
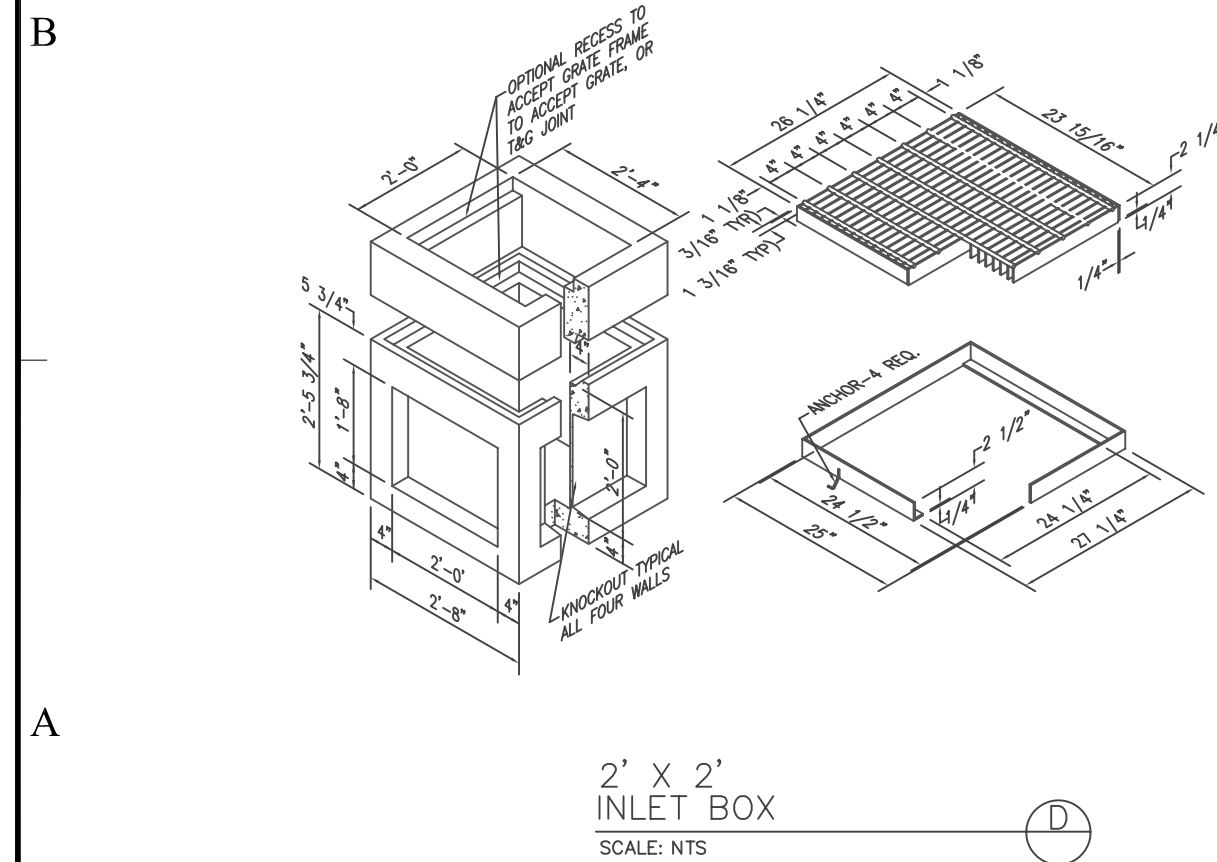
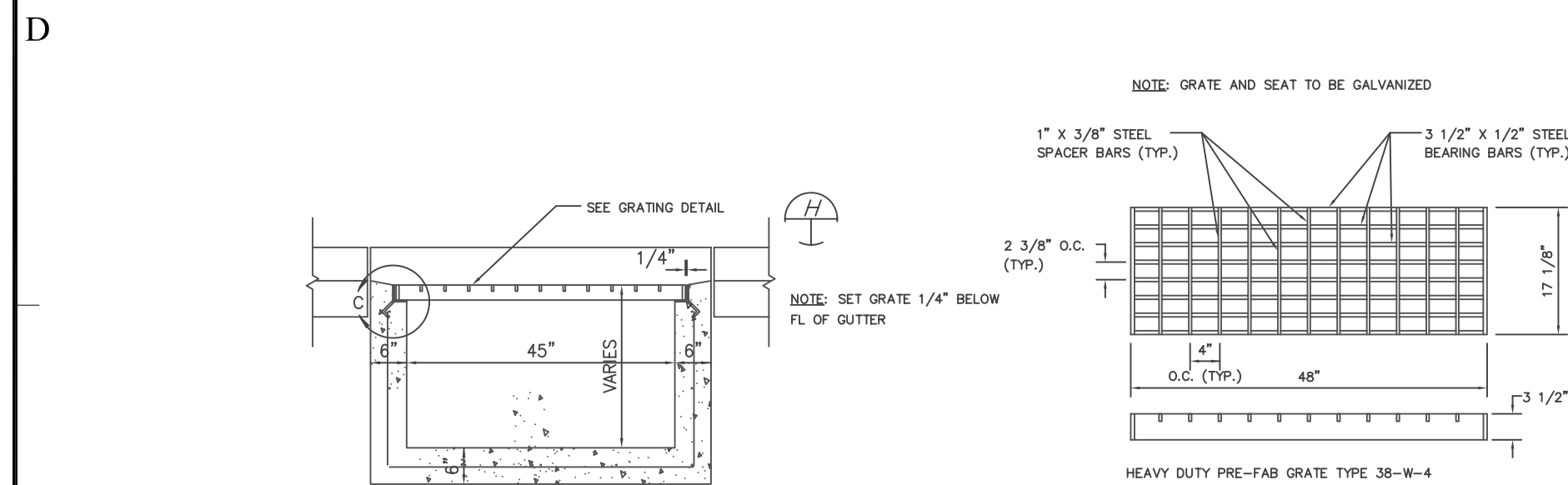
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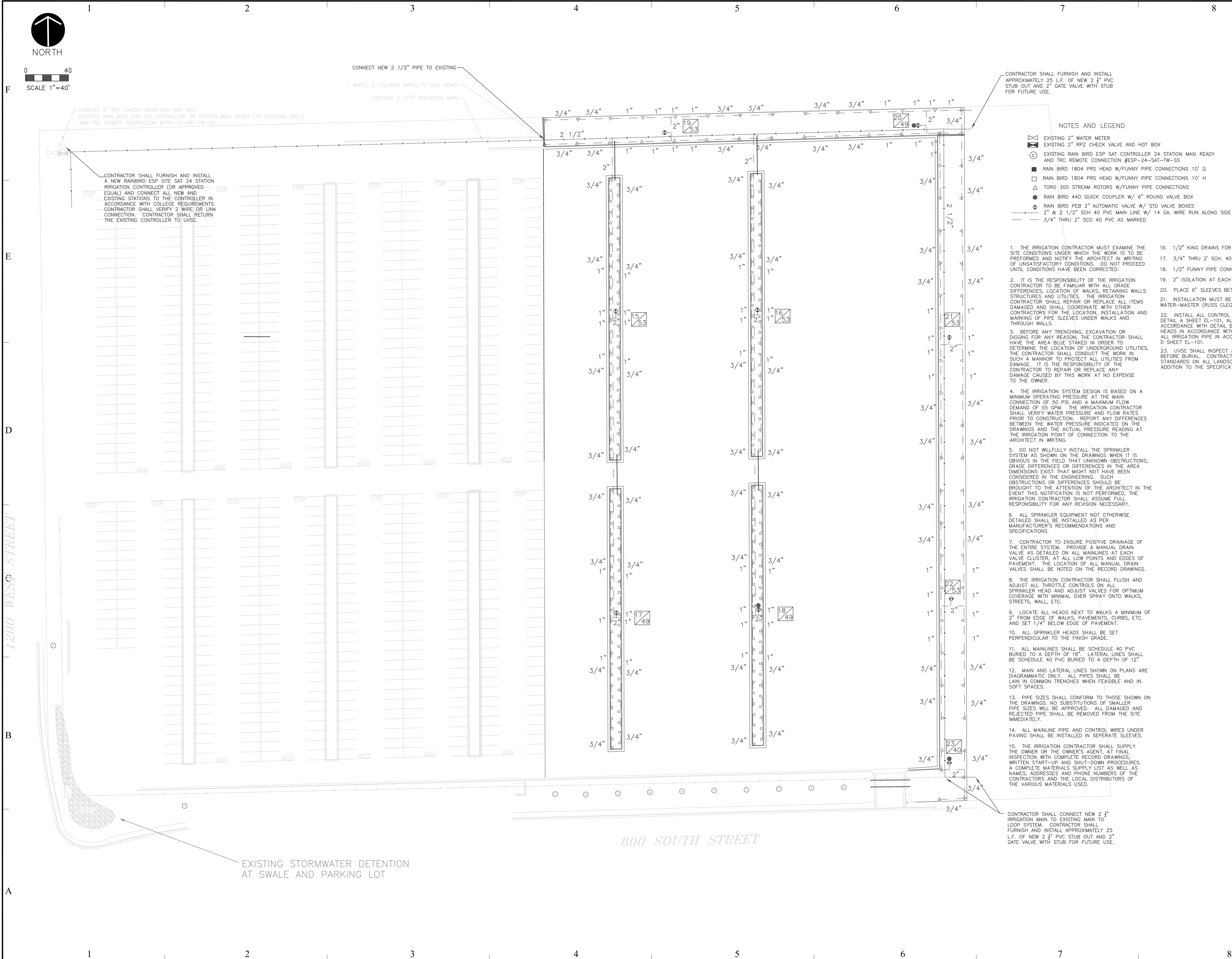
SHEET 5 OF 11

SITE/LOCATION:

UTAH VALLEY
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OREM, UTAH

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ISSUE TYPE: CONSTRUCTION SET		
ISSUE DATE: MAY 26, 2006		
DFCM PROJECT NO: 06227790		
CAD PROJECT NO: 02-XXX		
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**UVSC PARKING LOT V
PHASE II**

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UTAH VALLEY
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OREM, UTAH

PROJECT TITLE:

PARKING LOT V
PHASE II

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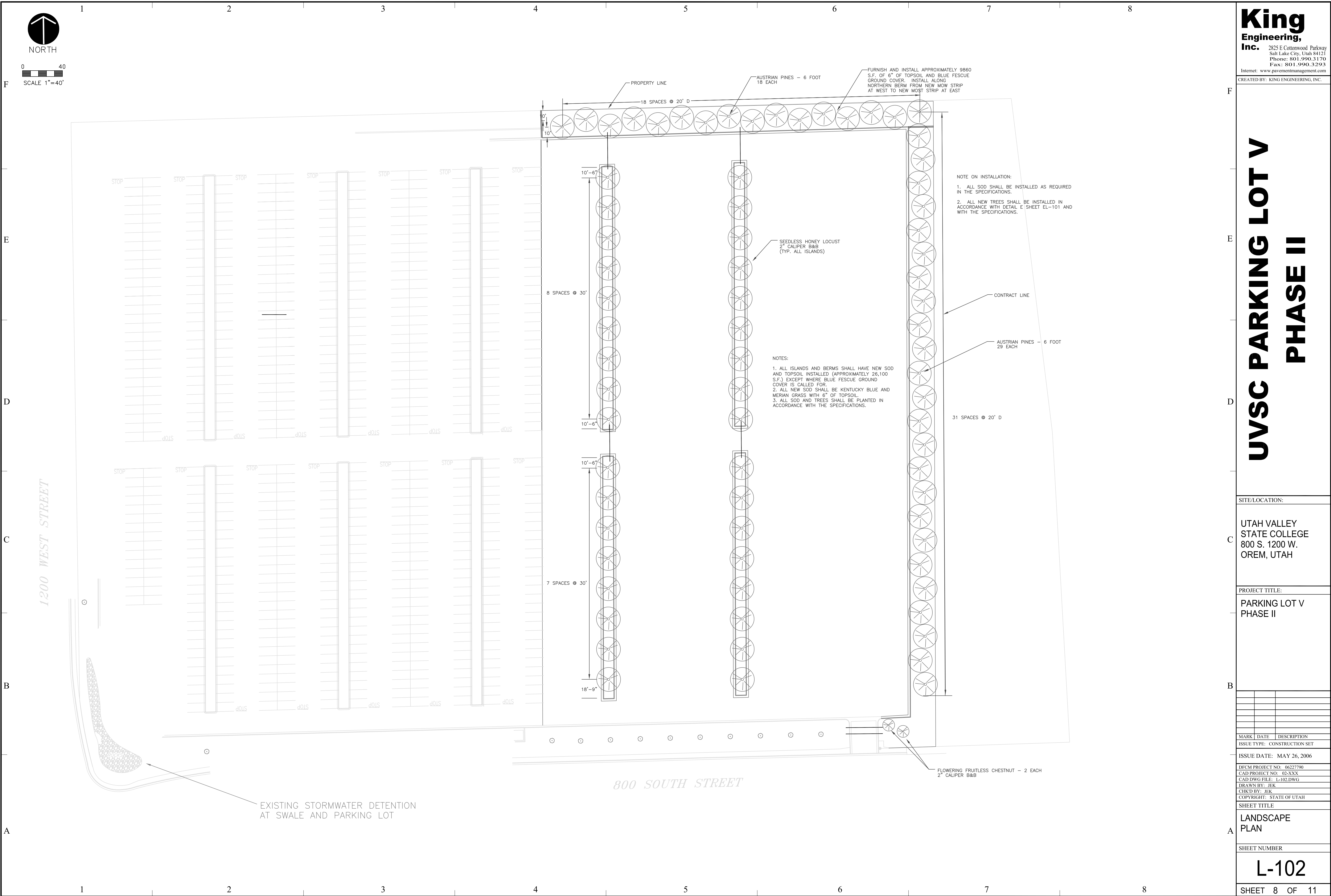
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IRRIGATION
PLAN

SHEET NUMBER

L-101



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SHEET 9 OF 11



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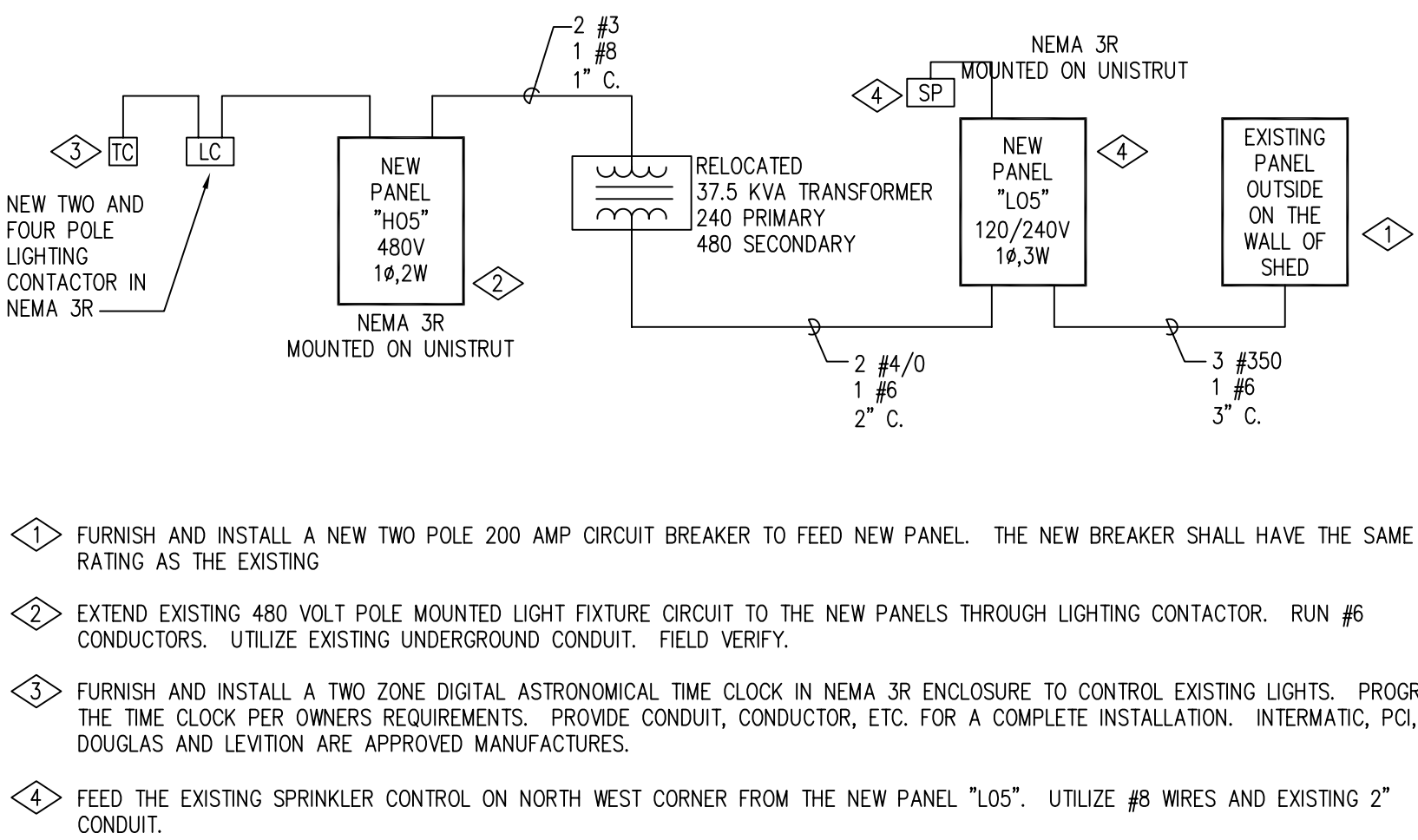
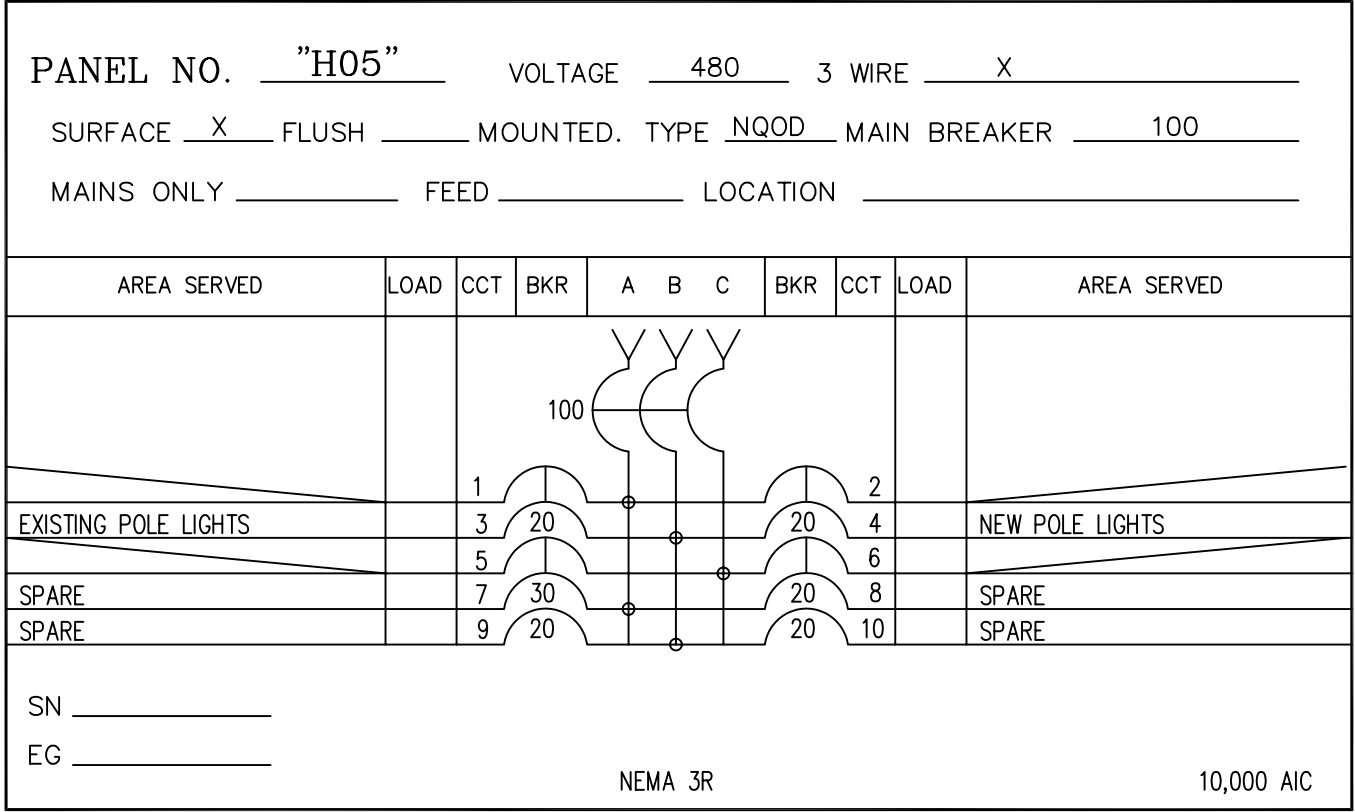
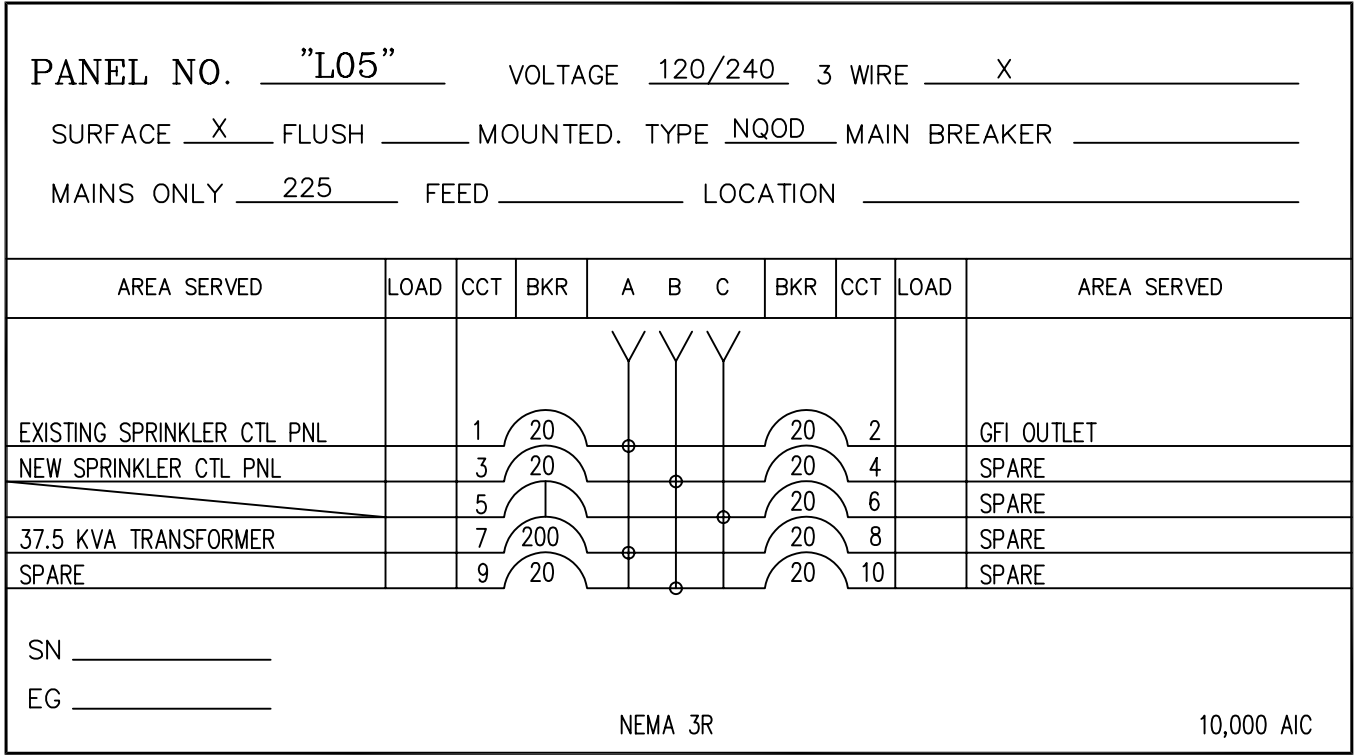
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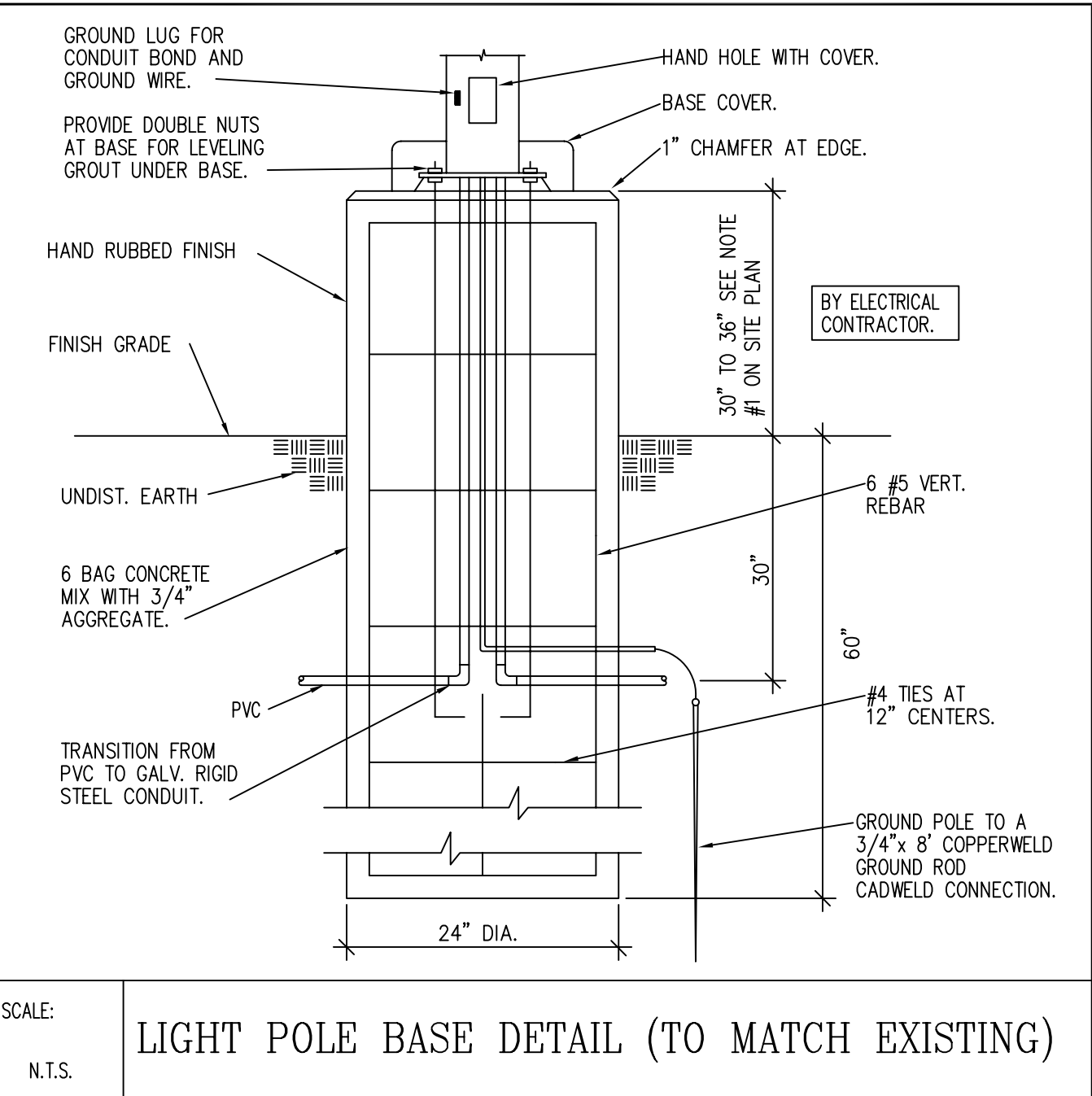
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POWER SINGLE LINE DIAGRAM

ELECTRICAL SYSTEMS SYMBOL LIST

	POST MOUNTED PARKING OR WALKWAY LIGHTING
	DUPLEX CONVENIENCE OUTLET - 20 AMP GROUND FAULT INTERRUPTER
	ELECTRICAL PANEL LOCATION
	TRANSFORMER
	CONDUITS CONCEALED IN FLOOR OR BELOW GRADE
	CONDUITS CONCEALED IN CEILING AND WALLS
	ARROWS INDICATE HOME RUNS - LINES INDICATE NUMBER CONDUCTORS
	REFERENCE NOTE CALLOUT



LIGHT POLE BASE DETAIL (TO MATCH EXISTING)

GENERAL NOTES:

- ALL MATERIALS TO BE REMOVED AND RETURNED TO THE OWNER. MATERIALS WHICH THE OWNER DECIDES NOT TO KEEP SHALL BE SALVAGED AND REMOVED FROM THE SITE BY THE CONTRACTOR.
- ALL UNUSED CONCEALED CONDUIT THAT CANNOT BE REMOVED SHALL BE CUT FLUSH WITH THE FINISH SURFACES AND CAPPED OFF AFTER THE WIRING HAS BEEN DISCONNECTED AT THE PANEL AND REMOVED FROM THE CONDUIT COORDINATE WITH OWNER.
- IN AREAS WHERE CIRCUIT CONTINUITY IS INTERRUPTED, BUT MUST BE MAINTAINED BECAUSE OF THE NATURE OF THE FACILITY, MAKE ALL THE NECESSARY MODIFICATIONS TO THE CIRCUITS IN ORDER TO MAINTAIN THE CIRCUIT INTEGRITY.
- ALL NEW WORK MUST MEET THE CURRENT ADOPTED NATIONAL ELECTRICAL CODE.
- NOT MORE THAN THREE (3) CIRCUITS, SHALL BE INSTALLED IN A CONDUIT. EACH CIRCUIT SHALL CONSIST OF 1 CONDUCTOR FOR EACH PHASE, 1 NEUTRAL, AND 1 GROUND, FOR A TOTAL OF FIVE CONDUCTORS.
- ALL METALLIC CONDUITS, JOINTS, FITTINGS, ETC., IN CONTACT WITH THE GROUND SHALL BE SPIRALLY WRAPPED WITH 3M SCOTCHCRAP-51, 20 MIL TAPE (OR APPROVED EQUAL). 1/2\"/>



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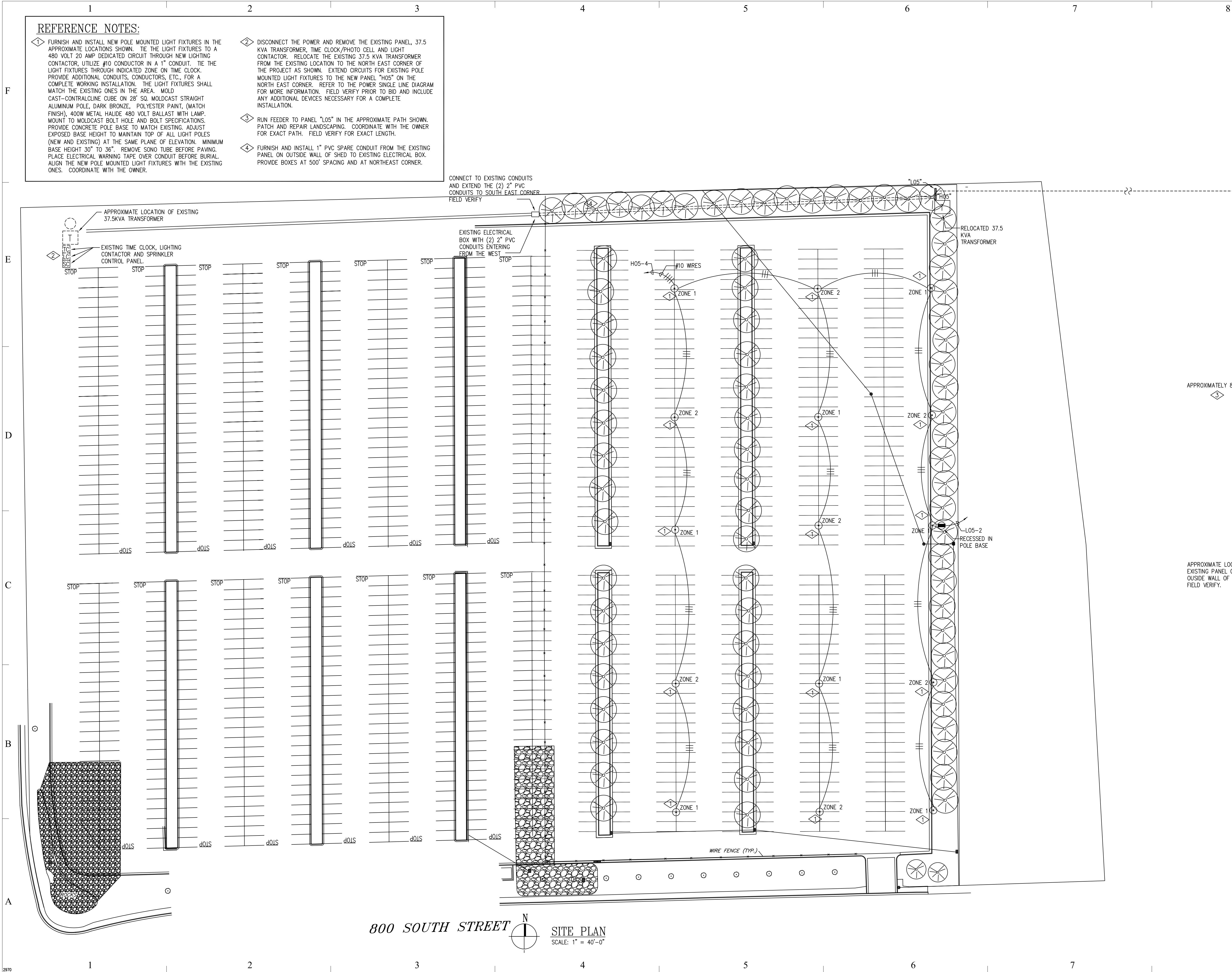
SHEET TITLE

POWER SINGLE LINE
DIADRAM & PANELS

SHEET NUMBER

E-001

SHEET 10 OF 11



REFERENCE NOTES:

- FURNISH AND INSTALL NEW POLE MOUNTED LIGHT FIXTURES IN THE APPROXIMATE LOCATIONS SHOWN. TIE THE LIGHT FIXTURES TO A 480 VOLT 20 AMP DEDICATED CIRCUIT THROUGH NEW LIGHTING CONTACTOR. UTILIZE #10 CONDUCTOR IN A 1" CONDUIT. TIE THE LIGHT FIXTURES THROUGH INDICATED ZONE ON TIME CLOCK. PROVIDE ADDITIONAL CONDUITS, CONDUCTORS, ETC., FOR A COMPLETE WORKING INSTALLATION. THE LIGHT FIXTURES SHALL MATCH THE EXISTING ONES IN THE AREA. MOLD CAST-CONTRALCONE CUBE ON 28" SQ. MOLDCAST STRAIGHT ALUMINUM POLE, DARK BRONZE, POLYESTER PAINT, (MATCH FINISH), 400W METAL HALIDE 480 VOLT BALLAST WITH LAMP. MOUNT TO MOLDCAST BOLT HOLE AND BOLT SPECIFICATIONS. PROVIDE CONCRETE POLE BASE TO MATCH EXISTING. ADJUST EXPOSED BASE HEIGHT TO MAINTAIN TOP OF ALL LIGHT POLES (NEW AND EXISTING) AT THE SAME PLANE OF ELEVATION. MINIMUM BASE HEIGHT 30" TO 36". REMOVE SONO TUBE BEFORE PAVING. PLACE ELECTRICAL WARNING TAPE OVER CONDUIT BEFORE BURIAL. ALIGN THE NEW POLE MOUNTED LIGHT FIXTURES WITH THE EXISTING ONES. COORDINATE WITH THE OWNER.
- DISCONNECT THE POWER AND REMOVE THE EXISTING PANEL, 37.5 KVA TRANSFORMER, TIME CLOCK/PHOTO CELL AND LIGHT CONTACTOR. RELOCATE THE EXISTING 37.5 KVA TRANSFORMER FROM THE EXISTING LOCATION TO THE NORTH EAST CORNER OF THE PROJECT AS SHOWN. EXTEND CIRCUITS FOR EXISTING POLE MOUNTED LIGHT FIXTURES TO THE NEW PANEL "H05" ON THE NORTH EAST CORNER. REFER TO THE POWER SINGLE LINE DIAGRAM FOR MORE INFORMATION. FIELD VERIFY PRIOR TO BID AND INCLUDE ANY ADDITIONAL DEVICES NECESSARY FOR A COMPLETE INSTALLATION.
- RUN FEEDER TO PANEL "L05" IN THE APPROXIMATE PATH SHOWN. PATCH AND REPAIR LANDSCAPING. COORDINATE WITH THE OWNER FOR EXACT PATH. FIELD VERIFY FOR EXACT LENGTH.
- FURNISH AND INSTALL 1" PVC SPARE CONDUIT FROM THE EXISTING PANEL ON OUTSIDE WALL OF SHED TO EXISTING ELECTRICAL BOX. PROVIDE BOXES AT 500' SPACING AND AT NORTHEAST CORNER.

CONNECT TO EXISTING CONDUITS AND EXTEND THE (2) 2" PVC CONDUITS TO SOUTH EAST CORNER FIELD VERIFY

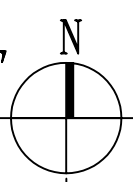
RELOCATED 37.5 KVA TRANSFORMER

L05-2 RECESSED IN POLE BASE

APPROXIMATELY 850'

APPROXIMATE LOCATION OF EXISTING PANEL ON THE OUTSIDE WALL OF SHED. FIELD VERIFY.

800 SOUTH STREET



SITE PLAN
SCALE: 1" = 40'-0"



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ELECTRICAL
LAYOUT

SHEET NUMBER

E-101

SHEET 11 OF 11